



State of Washington

Department of Ecology
Northwest Regional Office
4350 - 150th Avenue N.E.
Redmond, WA 98052

SCL 04265

Mary Kautz

SCAN 731-7036
(206) 867-7036



CTY0049271

SEA289750

State of
Washington
Department
of Ecology



*It's a pleasure
to serve you . . .*

We are happy to send the attached
material.

Please feel free to call on us any
time we may be of further service.

Division or Section

ECY 010-29

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SEA289751

RECEIPT

WASHINGTON STATE
DEPARTMENT OF ECOLOGY

163635

RECEIVED FROM

Lauree Geissinger
ONE and 95/60

5-25-89

DOLLARS

1.97

FUND:

General ☒ Rec. Rev. Basic Data Other

Cash

SOURCE:

Water Code Publications ☒ Adjudications Refunds
Per. and Lic. Investments Registration Other

Check ☒

M.O.

9 copies
George Vant Dean *1.80*
1.15
1.95

By *Phil Dean*

Thank You

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ECY 010-144

1153

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SEA289752

DEPARTMENT OF ECOLOGY
INSPECTION REPORT

TO: Files, Dan Cargill
DATE OF VISIT: 5/21/86
NEW INDUSTRY:

INSPECTOR: Richard Koch
PERMIT NO: WA-000000-0
PERMIT EXPIRES:

TYPE OF INSPECTION

PERMIT APPLICATION ____
PERMIT RENEWAL ____
PERMIT COMPLIANCE ____

COMPLAINT ____
ENFORCEMENT ____
DROP IN xxx

FACILITY: Famco Transport Co.
ADDRESS: 6640 Ellis Ave.
CITY: Seattle ZIP 98108 COUNTY: King PH. NO. 762-2373


PERSON CONTACTED: Ron Kleines
TYPE OF FACILITY: Truck Dispatch and maintenance yard
RECEIVING WATER: to be determined
TYPE OF TREATMENT SYSTEM: none

OPERATION Satis ____ Fair xx Unsatis ____

Does comply with permit conditions: na

DESCRIPTION: Maintenance shop is also storage area for degreasers, lubricating oil, and motor oil. Waste motor oil is dumped into a 250 gallon tank resembling a home fuel oil tank. Other than the building wall there is no containment. Because of the tanks proximity to the door, berming on two additional sides is desirable. Degreasers are in a self contained barrel with wash tank mounted on top of the barrel. Barrel and degreaser are picked by supplier and replaced. Trucks and trailers are power washed in the parking lot with WACO products ReAct 1 and ReAct 2P. ReAct 2P is an alkaline detergent and ReAct 1 has aluminum brighteners. A product data sheet has been requested from WACO.

- FOLLOW UP:
1. Check side sewer cards for sewers connection for parking lot drain. Parking lot drains into storm sewer according to side sewer card.
 2. Send NPDES permit application.
 - 3.


Richard A. Koch
District Engineer
Environmental Quality

*Many please
send a permit
application
to FAMCO.*

*Recd
5/27/86*

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Municipality of Metropolitan Seattle

Exchange Bldg. • 821 Second Ave., Seattle, Washington 98104

January 24, 1983

Mr. W. R. Diefenderfer
Facilities Engineering
Boeing Commercial Airplane Company
P.O. Box 3707
M/S 26-15
Seattle, Washington 98124

Dear Mr. Diefenderfer:

On August 12, 1982 Metro collected sediment samples from storm drains on the Boeing Commercial Airplane Company properties at North Boeing Field. These storm drains discharge into the Duwamish River at Slip #4. One sample (#E) was collected in the storm water flume adjacent to the Seattle City Light Steam Plant. The other sample (#F) was collected at a storm sewer manhole between Buildings 3.369 and 3.372. Discharge in this pipe drains a portion of the aircraft parking area at North Boeing Field (see attached map).

Both samples were analyzed for PCB's. Results of the analyses are listed in the attached table.

As you can see, the sediment concentrations in the flume had 164 times the amount of PCB's that were present in the aircraft parking area storm sewer. Metro is concerned with the presence of PCB's in the flume because of possible input to the Duwamish River. The origin of the PCB contamination is uncertain. The Boeing Commercial Airplane Company should contact the Washington State Department of Ecology prior to undertaking any activity which would disturb the sediment in the bottom of the flume.

In order to evaluate the present situation, Metro would appreciate any information you have regarding the drainage system around the aquaduct and any possible present or past practices which could have contributed PCB's. In the future Metro may wish to collect more samples on the North Boeing Field properties. We would appreciate an indication of the appropriate process for obtaining approval for collecting storm water samples on your properties.

JAN 27 1983

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NORTHWEST REGION

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Mr. W. R. Diefenderfer
Boeing Commercial Airplane Company
Page Two

A copy of the recent Metro report "Water Quality Assessment of the Duwamish Estuary" is being sent you via a separate letter.

Metro staff is willing to meet with you at your convenience to discuss the information in this letter and also the report. Thank you for your cooperation.

If you have any questions, please contact Denise Healy at 447-6747.

Very truly yours,

Denise M. Healy
Industrial Waste Investigator
Water Quality Division

DMH/mp
Enclosure
cc: Mr. Gary Brugger, Dept. of Ecology

12/25/83

Gary,

At the EPA/DOE/Metro briefing on Dec. 21, 1982, it was agreed that Metro would have the lead role in dealing with these problems in the Duwamish, but we would continue to keep you informed of the progress. Before you take any action regarding PCB's in Boeing or City light property, call us at 447-6891

Tom Hubbard

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PCB TESTS

<u>Date</u>	<u>Sample</u>	<u>Stn. Description</u>	<u>Aroclor</u> <u>(in ppb)</u>				<u>Total</u>
			<u>1242</u>	<u>1248</u>	<u>1254</u>	<u>1260</u>	
8-12-82	F	Boeing Field SD, in-line sediment	7	7	55	9	78.0
8-12-82	G	Boeing Flume, Georgetown sediment	4,400	4,400	3,600	400	12800

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XXXXXX
Governor



XXXXXX
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia Washington 98504 • (206) 459-6000

M E M O R A N D U M

April 16, 1985

TO: Gary Brugger
FROM: Mike Schlender, Chemist *MS*
SUBJECT: PCB Analysis of Duwamish Slip Number 4
Sediment Samples

Nine sediment samples, numbers 097102 - 110, collected February 22, 1985, were received at the Manchester Environmental Laboratory on February 22, 1985 for PCB analysis. The results of the analysis are attached.

Enclosure
MS:cm

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PROJECT: Dunamish Slip 4 COMPILED BY: Mike Schlander DATE: 4-10-85
 LABORATORY: Manchester REVIEWED BY: _____ DATE: _____

SAMPLE #	1	2	3	4	5	6	7	8	9	10
UNITS		$\mu\text{g/Kg}^*$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}$	$\mu\text{g/Kg}^*$
LOQ										
19. PCB - 1254		4300	6900	19000	2800	6400	14500	N/D	4300	11300
20. PCB - 1221		220u	800u	1000u	400u	400u	650u		400u	600u
21. PCB - 1232		↓	↓	↓	↓	↓	↓	↓	↓	↓
22. PCB - 1248		↓	↓	↓	↓	↓	↓	↓	↓	↓
23. PCB - 1260		1870	↓	↓	↓	↓	↓	↓	↓	↓
24. PCB - 1016		220u	↓	↓	↓	↓	↓	↓	↓	↓
25. PCB - 1242		200u	↓	↓	↓	↓	↓	↓	↓	↓

* Dry weight Basis

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 APR 18 1985

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DEPARTMENT OF ECOLOGY

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MEMORANDUM

June 19, 1984

TO: S. Messman, J. Conroy, G. Brugger, M. Dawda

FROM: B. Smith

SUBJECT: Boeing - North Field/Seattle City Light-Georgetown
Soil and Sediment Sampling

In the Duwamish River study done by EPA, PCB was found in sediment of two areas of the river, one of which is Slip #4. Subsequently, Metro sampled sediment in stormwater lines tributary to Slip #4 including the City Light flume. Metro found PCB in the sediment of the flume immediately downstream from Boeing's North Field facility and City Light's Georgetown plant.

In response to Metro's findings, Seattle City Light began sampling the area around its plant during 1982 and 1983. Samples included sediment at the head of the flume and soil around the full storage tanks. No PCB contamination was found. During March 1984, City Light did additional sampling at the plant. A composite of sediment in a stormwater pond at the southwest corner of City Light's property showed 500 ppm PCB. Stormwater tributary to the pond flows from City Light property to the north and from Boeing - King County Airport property to the east. City Light cleaned up a small trash dump just north of the pond about six months ago. At the same time, the dump area was regraded, filling in a ditch which connected the boiler blowdown line with the pond. During wet weather the pond overflows into catch basins on Boeing's property which are tributary to the flume.

After reviewing the City Light lab results, Boeing decided to sample the fire pit area upstream from the pond and stormdrains downstream from the pond. Samples were collected on May 14, 1984 and analyzed by Lauck's Laboratory. Parameters run were PCB, PAH, and lead. On June 11, 1984, Mike Dawda and I met with Kirk Thomson, Elliot Berliheiser and other Boeing personnel and Claire Dykeman from Seattle City Light. The lab data from Lauck's May 14 sampling were reviewed. (Copy attached). Because PCB was found in the stormdrains, Boeing is planning to write a proposal outlining cleanup and disposal procedures for the contaminated sediments in their line. The proposal will be forwarded to WDOE and EPA (Margo Partridge) for review. No cleanup work will be started however, until City Light determines a source and/or cleans PCB contamination from their property.

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City Light expects to do further sampling by July 1. Laboratory results will be available two weeks thereafter. City Light will then make decisions, in cooperation with WDOE, EPA, and Boeing regarding cleanup, disposal, long-term monitoring, additional sampling and so on.

BJS:ph

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SEA289760

Lauck's

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206)767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Boeing Co.
P.O. Box 3707
Seattle, WA 98124
ATTN: Mark Thompson M/S 9A-43

LABORATORY NO 84717

DATE May 30, 1984

PO #B-315355

REPORT ON SEDIMENT

SAMPLE IDENTIFICATION

Sampled by us on May 14, 1984 at the Boeing Flight Center, Boeing Field, Seattle, WA.

TESTS PERFORMED AND RESULTS

The samples were taken with a shovel through a layer of standing water to sediment depth of approximately 0-4".

Samples are identified as shown below:

- 1) Flume at north end of Building 323
- 2) Catch basin at east side of Building 3302
- 3) Manhole at east side of Building 323

	<u>1</u>	<u>2</u>	<u>3</u>
Total Solids, %	38.4	58.4	81.7
<u>parts per million (mg/kg), dry basis</u>			
Lead	430.	150.	37.
PCBs, Aroclor 1242	ND	60.	5.2
PCBs, Aroclor 1254	520.	66.	9.9

Samples were also analyzed for Gravimetric Polycyclic Aromatic Hydrocarbons in accordance with Washington State Department of Ecology WAC 173-303. The method requires analysis of the sample through successive stages until the result obtained is less than 1% by weight (as received basis) or until the fourth stage has been completed. Results are as shown on following page.

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